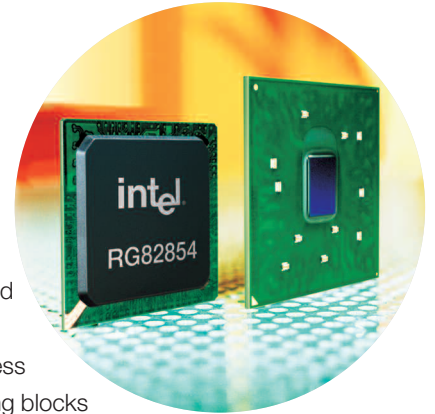




# Software Media Codecs: MPEG-2 and MPEG-4 decoders for Intel® 854 Platforms Running Linux\* or Windows\* CE

## Product Overview

Intel software media codecs are a building block for consumer electronics platforms that utilize the power of Intel® processors for general-purpose computing in addition to processor-intensive media encoding and decoding. When paired with an Intel processor and the Intel® 854 chipset (see <http://www.intel.com/design/celect/>) the MPEG-2 and MPEG-4 decoders for Intel® 854 platforms provide building blocks for an IP-digital set top box (IP-DSTB) that can process either MPEG-2 or MPEG-4/AVC digital media. These building blocks can also be used to build Digital Media Recorders (DMRs). Software media codecs are provided for Intel 854 platforms running the Linux\* operating system and Microsoft Windows CE\*.



## MPEG-2 Decoder for Intel® 854 Platforms Product Highlights

- Designed to work with the processors supported with the Intel® 854 chipset
  - Intel® Celeron® M processor— 600 MHz, 400MHz FSB, 512K L2 Cache
  - Intel® processor — 1.2GHz, 400MHz FSB, 512K L2 Cache
  - Intel® processor — 1.5GHz, 400MHz FSB, 512K L2 Cache
- Support of MP@ML MPEG-2 video
- NTSC and PAL standard definition resolutions
- Support of MPEG audio (layer II)
- Support of stereo Dolby AC-3
- Support for Closed Captions
- Support of MP3

## MPEG-4 Decoder for Intel® 854 Platforms Product Highlights

- Designed to work with the processors supported with the Intel® 854 chipset
  - Intel® processor — 1.2GHz, 400MHz FSB, 512K L2 Cache
  - Intel® processor — 1.5GHz, 400MHz FSB, 512K L2 Cache
- Support of MPEG-4/H.264/AVC MP@L3 video
- Support of MPEG-4 part 2 ASP
- NTSC and PAL SD resolutions
- Support of MPEG audio (layer II)
- Support of stereo Dolby AC-3
- Support for Closed Captions
- Support for MP3

Product	OS	Product Code	Features	
<b>MPEG-2 Decoder for Intel® 854 Platforms</b>	Linux	872790	-MPEG-2 transport streams	-MPEG audio (layer II)
	Windows CE	872791	-MPEG-2 program streams -SD video resolutions MP@ML	-AC-3 (stereo downmix) -Support of MP3
<b>MPEG-4 Decoder for Intel® 854 Platforms</b>	Linux	872792	-MPEG-2 transport streams	-MPEG-4 part 10 (H.264) MP@L3
	Windows CE	872793	-MPEG-2 program streams -SD video resolutions -MPEG-4 part 2 ASP	-MPEG audio (layer II) -AC-3 (stereo downmix) -Support of MP3
<b>1 year maintenance</b>		872795	Provides software upgrades and technical support for second year and beyond	

## Windows CE Support

The MPEG-2 and MPEG-4/AVC decoders for Intel 854 platforms running the Microsoft Windows CE Operating System are implemented using Microsoft DirectShow\*. The decoder packages include a system stream demultiplexer that can handle standard MPEG-2 Program and Transport streams.

## Linux Support

The MPEG-2 and MPEG-4/AVC decoders for Intel 854 platforms running the Linux operating system are implemented

using LibAV APIs. The decoder packages include a system stream demultiplexer that can handle standard MPEG-2 Program and Transport streams.

## Availability

The MPEG-2 and MPEG-4 decoders for Intel® 854 platforms are available for evaluation immediately and are royalty-free based for distribution.

## Intel Access

<b>Developer's Site</b>	developer.intel.com
<b>Intel® Consumer Electronics Home Page</b>	www.intel.com/design/celect
<b>Intel® Technical Documentation Center</b>	www.intel.com/go/techdoc (800) 548-4725 7 a.m. to 7 p.m. CST (U.S. and Canada) International locations please contact your local sales office.
<b>General Information Hotline</b>	(800) 628-8686 or (916) 356-3104 5 a.m. to 5 p.m. PST

**For more information, visit the Intel Consumer Electronics home page at:  
[www.intel.com/design/celect](http://www.intel.com/design/celect)**

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